

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 827 026 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:

17.06.1998 Bulletin 1998/25

(51) Int Cl.⁶: **G03F 7/038, B41J 2/16**

(43) Date of publication A2:

04.03.1998 Bulletin 1998/10

(21) Application number: **97306196.3**

(22) Date of filing: **15.08.1997**

(84) Designated Contracting States:

**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**

(30) Priority: **29.08.1996 US 705479**

(71) Applicant: **XEROX CORPORATION**

Rochester, New York 14644 (US)

(72) Inventors:

- **Fuller, Timothy J.**
Pittsford, NY 14534-4023 (US)
- **Narang, Ram S.**
Fairport, NY 14450 (US)

- **Smith, Thomas W.**
Penfield, NY 14526 (US)
- **Luca, David J.**
Rochester, NY 14609 (US)
- **Crandall, Raymond K.**
Pittsford, NY 14534 (US)

(74) Representative: **Pike, Christopher Gerard et al**
Rank Xerox Ltd.,
Patent Department,
Parkway
Marlow, Buckinghamshire SL7 1YL (GB)

(54) **Processes for substituting haloalkylated polymers with unsaturated ester, ether, and alkylcarboxymethylene groups**

(57) Disclosed is a process which comprises reacting a haloalkylated aromatic polymer with a material selected from the group consisting of unsaturated ester salts, alkoxide salts, alkylcarboxylate salts, and mix-

tures thereof, thereby forming a curable polymer having functional groups corresponding to the selected salt. Another embodiment of the present invention is directed to a process for preparing an ink jet printhead with the curable polymer thus prepared.

EP 0 827 026 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6196

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DATABASE WPI Section Ch, Week 9109 Derwent Publications Ltd., London, GB; Class A13, AN 91-062032 XP002060872 & JP 03 011 350 A (TOSOH CORP) , 18 January 1991 * abstract *	4-6,8	G03F7/038 B41J2/16
X	DATABASE WPI Section Ch, Week 7833 Derwent Publications Ltd., London, GB; Class A13, AN 78-59713A XP002060873 & JP 53 079 983 A (KURARAY CO LTD) , 14 July 1978 * abstract *	4-6	
X	US 4 908 405 A (E. BAYER ETAL.) * column 1, line 20 - line 36 *	4-6	
A	DATABASE WPI Section Ch, Week 8126 Derwent Publications Ltd., London, GB; Class A26, AN 81-46539D XP002063306 & JP 56 050 928 A (TEIJIN LTD) , 8 May 1981 * abstract *	1-3	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G03F B41J
A,D	US 4 601 777 A (W.G. HAWKINS ET AL.) * claims *	9,10	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 April 1998	Examiner Dupart, J.-M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)